

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Monforte
Serial No.: 10/014,731
Filed: December 11, 2001
Confirmation No.: 5775
For: *MULTIPLEXED PROTEIN EXPRESSION
AND ACTIVITY ASSAY*

Art Unit: 1743
Examiner: Unassigned

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TRANSMITTAL LETTER

Commissioner for Patents
Arlington, VA 22202

Dear Sir:

Transmitted herewith via hand delivery are an Information Disclosure Statement, Forms PTO-1449 (6 Pages), and cited references for filing in connection with the above-identified application. Because this Information Disclosure Statement is filed prior to receipt of a First Office Action on the merits in the above-referenced application, no fee is due. However, should it be determined that a fee for filing these papers is required, the Commissioner is authorized to charge Deposit Account No. 50-1213, as stated below:

- ☒ The Commissioner is hereby authorized to charge any fee, including any submitted herewith if the attached check(s) is in the wrong amount or otherwise improper or missing, that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account No. 50-1213. A duplicate of this sheet is enclosed.

Respectfully submitted,
HELLER EHRMAN WHITE & McAULIFFE LLP

By:

Stephanie Seidman
Registration No. 33,779

Dated: October 9, 2002
Attorney Docket No. 24743-2308
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**INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE
WITH 37 C.F.R. §§ 1.97-1.98**

Commissioner for Patents
Arlington, VA 22202

Dear Sir:

Since this Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-1213.

In accordance with the duty of disclosure imposed by 37 C.F.R. §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Forms PTO-1449 (6 pages) and copies of the cited documents are provided herewith in connection with the above-captioned application.

The documents listed on the Forms PTO-1449 and supplied herewith are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Applicant also makes known to the Examiner the following co-pending U.S. and International applications that have one or more common inventors and/or one or more common owners:

<u>U.S.S.N.</u>	<u>Filing Date</u>	<u>Docket No.</u>
09/067,337	04/27/98	2301
09/484,484	01/18/00	2301B
09/171,625	10/19/98	2302US
10/211,073	07/31/02	2302BUS
09/355,705	02/04/98	2303US
60/314,123	08/21/01	P2305B
60/363,433	03/11/02	P2305C
10/197,954	07/16/02	2305

U.S.S.N. 10/014,731
Monforte
Information Disclosure Statement

09/601,970	08/09/00	2306US
09/601,997	12/15/00	2307US
09/515,277	02/29/00	2054B
10/145,970	05/13/02	2054C
09/089,730	06/03/98	2055C
08/988,024	12/10/97	2057
10/202,189	07/22/02	2057D
09/541,210	04/03/00	2059B
09/139,386	08/25/98	2060

<u>Int'l App. no.</u>	<u>Filing Date</u>	<u>Docket No.</u>
PCT/US02/22821	07/16/01	2305PC

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references is effective as prior art against the subject application. In accordance with 37 C.F.R. §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and information and that they be made of record in the file history of the above-captioned application.

Respectfully submitted,
HELLER, EHRMAN, WHITE & McAULIFFE

By:


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Registration No. 33,779

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	APPLICANT Monforte		
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LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT			

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A	4	6	8	3	2	0	2	07/28/87	Mullis	435	91	10/25/85
	B	5	2	2	3	4	0	8	06/29/93	Goeddel <i>et al.</i>	435	69.3	07/11/91
	C	5	2	2	3	4	0	9	06/29/93	Ladner <i>et al.</i>	435	69.7	03/01/91
	D	5	2	8	8	6	2	2	02/22/94	Gray <i>et al.</i>	435	69.4	06/11/92
	E	5	3	1	6	9	2	2	05/31/94	Brown <i>et al.</i>	435	69.7	04/15/92
	F	5	3	4	8	8	6	7	09/20/94	Georgiou <i>et al.</i>	435	69.7	11/15/91
	G	5	3	8	2	5	1	3	01/17/95	Lam <i>et al.</i>	435	7.1	02/08/93
	H	5	3	9	5	7	5	0	03/07/95	Dillon <i>et al.</i>	435	5	02/28/92
	I	5	4	0	3	4	8	4	04/04/95	Ladner <i>et al.</i>	435	235.1	01/26/93
	J	5	8	6	4	1	3	7	01/26/99	Becker <i>et al.</i>	250	287	10/01/96
	K	5	9	6	5	3	6	3	10/12/99	Monforte <i>et al.</i>	435	6	12/02/96
	L	6	0	5	1	3	7	8	04/18/00	Monforte <i>et al.</i>	435	6	03/04/97
	M	6	0	9	0	5	5	0	07/18/00	Butler <i>et al.</i>	435	6	09/18/98
	N	6	1	0	4	0	2	8	08/15/00	Hunter <i>et al.</i>	250	288	05/29/98
	O	6	2	3	2	1	0	7	05/15/01	Bryan <i>et al.</i>	435	189	03/26/99

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
None														

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P	Arnheim <i>et al.</i> , "Polymerase Chain Reaction", <i>C&EN</i> , pp. 36-47, 1990
Q	Arnott <i>et al.</i> , "An Integrated Approach to Proteome Analysis: Identification of Proteins Associated with Cardiac Hypertrophy", <i>Anal. Biochem.</i> , <u>258</u> :1-18, 1998
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S	Black <i>et al.</i> , "Random Sequence Mutagenesis for the Generation of Active Enzymes", <i>Methods in Mol. Biol.</i> , <u>57</u> :335-349, 1996
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V	Burritt <i>et al.</i> , "Filamentous Phage Display of Oligopeptide Libraries", <i>Anal. Biochem.</i> , <u>238</u> :1-13, 1996
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Y	Chiswell <i>et al.</i> , "Phage Antibodies: Will New 'Coliclonal' Antibodies Replace Monoclonal Antibodies?", <i>Trends Biotechnol.</i> , <u>10</u> :80-84, 1992
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AA	Easterling <i>et al.</i> , "Monitoring Protein Expression in Whole Bacterial Cells with MALDI Time-of-Flight Mass Spectrometry", <i>Anal. Chem.</i> , <u>70</u> (13):2704-2709, 1998
AB	Fannon, M., "Gene Expression in Normal and Disease States - Identification of Therapeutic Targets", <i>Trends Biotechnol.</i> , <u>14</u> :294-298, 1996
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FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24743-2308	SERIAL NO. 10/014,73	RECEIVED OCT 10 2002 TECHNOLOGY CENTER 1700
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AH	Glaser <i>et al.</i> , "Antibody Engineering by Codon-Based Mutagenesis in a Filamentous Phage Vector System", <i>J. Immunol.</i> , <u>149</u> (12):3903-3913, 1992
AI	Gonzalez <i>et al.</i> , "Intracellular Detection Assays for High-Throughput Screening", <i>Curr. Opin. Biotechnol.</i> , <u>9</u> :624-631, 1998
AJ	Griffiths <i>et al.</i> , "Isolation of High Affinity Human Antibodies Directly from Large Synthetic Repertoires", <i>EMBO J.</i> , <u>13</u> (14):3245-3260, 1994
AK	Guatelli <i>et al.</i> , "Isothermal, <i>in vitro</i> Amplification of Nucleic Acids by a Multienzyme Reaction Modeled After Retroviral Replication", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :1874-1878, 1990
AL	Hawkins <i>et al.</i> , "A Magnetic Attraction to High-Throughput Genomics", <i>Science</i> , <u>276</u> :1887-1889, 1997
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AN	Hoffman <i>et al.</i> , "Expression of Fully Functional Tetrameric Human Hemoglobin in <i>Escherichia coli</i> ", <i>Proc. Natl. Acad. Sci. USA</i> , <u>87</u> :8521-8525, 1990
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AP	Houston <i>et al.</i> , "The Chemical-Biological Interface: Developments in Automated and Miniaturised Screening Technology", <i>Curr. Opin. Biotechnol.</i> , <u>8</u> :734-740, 1997
AQ	Houston <i>et al.</i> , "Rapid Analysis of Hemoglobin from Whole Human Blood by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry", <i>Rapid Commun. Mass Spectrom.</i> , <u>1</u> :1435-1439, 1997
AR	Huse <i>et al.</i> , "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", <i>Science</i> , <u>246</u> :1275-1281, 1989
AS	IUPAC-IUB Commission on Biochemical Nomenclature Symbols for Amino-Acid Derivatives and Peptides Recommendations (1971), <i>Biochem.</i> , <u>11</u> :942-944, 1972

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AU	Jessen <i>et al.</i> , "Production of Human Hemoglobin in <i>Escherichia coli</i> Using Cleavable Fusion Protein Expression Vector", <i>Methods Enzymol.</i> , <u>231</u> :347-364, 1994
AV	Jimenez <i>et al.</i> , "Ultramicroanalysis of Peptide Profiles in Biological Samples Using MALDI Mass Spectrometry", <i>Exp Nephrol.</i> , <u>6</u> :421-428, 1998
AW	Kirk-Othmer Encyclopedia of Chemical Technology, Volume 5, Fourth Edition, pp. 1071-1094
AX	Kohler <i>et al.</i> , "Continuous Cultures of Fused Cells Secrete Antibody of Predefined Specificity", <i>Nature</i> , <u>256</u> :495-497, 1975
AY	Kozian <i>et al.</i> , "Comparative Gene-Expression Analysis", <i>Trends Biotechnol.</i> , <u>17</u> :73-78, 1999
AZ	Kwoh <i>et al.</i> , "Transcription-based Amplification System and Detection of Amplified Human Immunodeficiency Virus Type 1 with a Bead-Based Sandwich Hybridization Format", <i>Proc. Natl. Acad. Sci. USA</i> , <u>86</u> :1173-1177, 1989
BA	Landegren <i>et al.</i> , "A Ligase-Mediated Gene Detection Technique", <i>Science</i> , <u>241</u> :1077-1080, 1988
BB	Li <i>et al.</i> , "Detection Limits for Matrix-assisted Laser Desorption of Polypeptides with an External Ion Source Fourier-transform Mass Spectrometer", <i>Rapid Commun. Mass Spectrom.</i> , <u>8</u> :743-749, 1994
BC	Lomelli <i>et al.</i> , "Quantitative Assays Based on the Use of Replicable Hybridization Probes", <i>Clin. Chem.</i> , <u>35</u> (9):1826-1831, 1989
BD	Lowman, H.B., "Bacteriophage Display and Discovery of Peptide Leads for Drug Development", <i>Annu. Rev. Biophys. Biomol. Struct.</i> , <u>26</u> :401-424, 1997
BE	Methods and Materials: Amplification of Nucleic Acid Sequences: The Choices Multiply, <i>The Journal of NIH Research</i> , <u>3</u> :81-86, 1991
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BL	Sambrook <i>et al.</i> , "Molecular Cloning, A Laboratory Manual", Cold Spring Harbor Laboratory Press, Chapter 8, Vol. 3, p. B.13, 1989
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BQ	Sooknanan <i>et al.</i> , "A Detection and Amplification System Uniquely Suited for RNA", <i>Biotechnology</i> , <u>13</u> :563-564, 1995
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BS	Suto <i>et al.</i> , "Selection of an Optimal Reporter Gene for Cell-Based High Throughput Screening Assays", <i>J. Biomol. Screening</i> , <u>2</u> (1):7-9, 1997
BT	Tijssen <i>et al.</i> , "Enzyme-linked Immunosorbent Assays and Developments in Techniques Using Latex Beads", <i>Curr. Opin. Immunol.</i> , <u>3</u> :233-237, 1991
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BV	Van Brunt, J., "Amplifying Genes: PCR and Its Alternatives", <i>Biotechnology</i> , <u>8</u> :291-294, 1990
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BX	Ward <i>et al.</i> , "Binding Activities of a Repertoire of Single Immunoglobulin Variable Domains Secreted from <i>Escherichia coli</i> ", <i>Nature</i> , <u>341</u> :544-546, 1989
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